

ACTION ITEMS FROM MARCH 16-17 UHR MODEL MEETINGS

Fate Model:

- Circulate updated model metric table
- Develop trend analysis specifics for 1998-2008 simulation
 - Explore development of initial conditions for a 1998-2008 simulation that would compare simulated time trends in water column and fish concentrations at Thompson Island, Schuylerville/Lock 5, and Stillwater to trends in data
- Provide updates on kinetic code progress and performance of revised model

Sediment Transport:

- Specify sediment transport model input for lower reaches (D50, D90, incoming composition)
 - LimnoTech to document methods in a technical memorandum
- Sediment transport model simulations
 - R8
 - Refine sedtran model based on feedback from PCB-fate calibration (2004-2008)
 - Finish sedtran long-term run (1977-2008, including sedtran coupling)
 - Additional model-data comparisons
 1. 1994 mass balance for sub-reaches (if possible)
 2. TSS CDF
 3. Spatial variation of bed elevation change
 - Lower reaches
 - Conduct sedtran calibration using all metrics
- Provide updates on sediment transport calibration
- EPA requested revised sediment transport code for review of model structure, recognizing that input parameters will continue to be modified during calibration. AQ will provide code once model structure and calibration is finalized.

Bioaccumulation Model:

- Further evaluation and workgroup discussions of relative contribution of exposure from sediment v. water column sources

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- Evaluation of alternative calibration approaches including use of bounding calculations for uncertainty analysis
 - Evaluation of the bioaccumulation model during dredging using the existing (unrevised) fate model
 - Investigation of sensitivity analyses
 - Develop model evaluation metrics
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